

Appendix A
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Version with Markings to Show Changes

Claims 15, 31, 32, 34, 35, 38, and 40 are amended as follows:

15 (two times amended). An isolated nucleic acid molecule selected from the group consisting of:

- (a) a nucleic acid molecule having the sequence of SEQ ID NO:2;
- (b) a nucleic acid molecule encoding an amino acid sequence comprising the sequence of SEQ ID NO:4;
- [(c)a nucleic acid molecule that encodes a fragment of the polypeptide of SEQ ID NO:4 having disintegrin activity;]
- [(d)c] a nucleic acid molecule encoding a fragment of the amino acid sequence of SEQ ID NO:4 having disintegrin activity and comprising amino acids 496[-] through 599 of SEQ ID NO:4; and
- [(e)d] a nucleic acid molecule encoding a fragment of the amino acid sequence of SEQ ID NO:4 having disintegrin activity and comprising [an amino acid sequence selected from the group consisting of amino acids 499 through 530 of SEQ ID NO:4 and]amino acids 532 through 586 of SEQ ID NO:4.

31 (amended). A nucleic acid molecule encoding a fusion protein comprising a fragment of the polypeptide of SEQ ID NO:4 having disintegrin activity and a heterologous polypeptide; wherein the fusion protein comprises an amino acid sequence selected from the group consisting of amino acids 496 through 599 of SEQ ID NO:4 and amino acids 532 through 586 of SEQ ID NO:4.

32 (amended). The nucleic acid molecule of claim 31 wherein the fusion protein comprises [an amino acid sequence selected from the group consisting of amino acids 496 through 599 of SEQ ID NO:4, amino acids 499 through 530 of SEQ ID NO:4, and]amino acids 532 through 586 of SEQ ID NO:4.

34 (amended). An isolated nucleic acid molecule that encodes a polypeptide having disintegrin activity and sharing at least 80 percent amino acid identity across the length of [an amino acid sequence selected from the group consisting of SEQ ID NO:4 and]amino acids 496 through 599 of SEQ ID NO:4.

35 (amended). The isolated nucleic acid of claim 34 encoding a polypeptide having disintegrin activity and sharing at least 90 percent amino acid identity across the length of [an amino acid sequence selected from the group consisting of SEQ ID NO:4 and]amino acids 496 through 599 of SEQ ID NO:4.

38 (amended). An isolated nucleic acid molecule that encodes a fragment of ADAM23 having disintegrin activity, wherein ADAM23 is the polypeptide of SEQ ID NO:4, and wherein the fragment of ADAM23 comprises an amino acid sequence selected from the group consisting of amino acids 496 through 599 of SEQ ID NO:4, and amino acids 532 through 586 of SEQ ID NO:4.

40 (amended). The nucleic acid of claim 38 wherein the fragment of ADAM23 comprises [an amino acid sequence selected from the group consisting of amino acids 499 through 530 of SEQ ID NO:4 and]amino acids 532 through 586 of SEQ ID NO:4.